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Tecra A4 Series

Model Name	Description	Part Number	UPC Code
A4-S111TD	Intel Pentium® M Processor 730 [1.60GHz, 2MB L2 cache, 533MHz FSB], Mobile Intel 915GM Express Chipset, 40GB (4200) HDD, 15.4" Wide TFT LCD (XGA), 256MB Memory, DVD/CD-RW, 6-cell battery, 10/100/1000 Base-TX Ethernet LAN, Wi-Fi Wireless-LAN Ready (Antenna only), No Bluetooth, IEEE-1394 port/Media Bridge Adapter slot/Parallel port/Express Card slot, Integrated Microphone, Microsoft Windows XP Professional, 1-year standard, limited warranty	**PTA40U-0TT00D**	**032017321717**

System Characteristics[1]

Custom Configuration options and optional items listed below are highlighted in yellow.

Operating System

- Microsoft® Windows® XP Professional

Choice of processors[2]:

- Intel Pentium® M Processor 730 [1.60GHz, 2MB L2 cache, 533MHz FSB]
- Intel Pentium® M Processor 740 [1.73GHz, 2MB L2 cache, 533MHz FSB]
- Intel Pentium® M Processor 760 [2.00GHz, 2MB L2 cache, 533MHz FSB]
- Intel Pentium® M Processor 770 [2.13GHz, 2MB L2 cache, 533MHz FSB]

Chipset

- Mobile Intel 915GM or 915 PM Express Chipset depending upon configuration

Memory[3]

- 256MB (Minimum)/2048MB (Maximum), 2 memory slots using 256MB, 512MB, or 1024MB PC2700 DDR 333MHz SDRAM 2.5V SODIMM memory modules

Mass Storage

Choice of Hard Drives [4]

- 40GB (4200 RPM), 60GB (4200 RPM), 80GB (4200RPM), or 100GB (4200 RPM);; Enhanced IDE (ATA-6) hard disk drive; 9.5mm height; user removable

Choice of Optical Disk Drives

- Fixed Bay DVD/CD-RW drive:
  - Maximum Speed:
    - CD-ROM (24x:read), CD-R (24x:write), CD-RW (10x:write), DVD-ROM (8x:read)
  - Compatibility:
    - CD-ROM (read), CD-R (read/write), CD-RW (read/re-write), DVD-ROM (read), DVD-R (read), DVD-RW (read), DVD+R (read), DVD-RAM (read)
- Fixed Bay DVD SuperMulti (Single Layer) drive:
  - Maximum Speed:
    - CD-ROM (24x:read), CD-R (24x:write), CD-RW (10x:write), DVD-ROM (8x:read), DVD-R (8x:write), DVD-RW (4x:write), DVD+R (8x:write), DVD+RW (4x:write), DVD-RAM (3x:write)
  - Compatibility:
    - CD-ROM (read), CD-R (read/write), CD-RW (read/write), DVD-ROM (read), DVD-R (read/write), DVD-RW (read/write), DVD+R (read/write), (DVD+RW (read/write), DVD-RAM (read/write)
- Fixed Bay DVD SuperMulti (Double Layer) drive:
  - Maximum Speed:
    - CD-ROM (24x:read), CD-R (24x:write), CD-RW (10x:write), DVD-ROM (8x:read), DVD-R (8x:write), DVD-RW (4x:write), DVD+R (8x:write), DVD+R (Double Layer) (2.4x:write), DVD+RW (4x:write), DVD-RAM (3x:write)
  - Compatibility:
    - CD-ROM (read), CD-R (read/write), CD-RW (read/write), DVD-ROM (read), DVD-R (read/write), DVD-RW (read/write), DVD+R (read/write), (DVD+RW (read/write), DVD-RAM (read/write)

Display[5]

Choice of:

- 15.4" diagonal widescreen TFT active-matrix LCD display at 1280x800 native resolution; Maximum Brightness 180 Cd/m^2
- 15.4" diagonal widescreen TruBrite™ CSV TFT active-matrix LCD display at 1280x800 native resolution; Maximum Brightness 200 Cd/m^2
- 15.4" diagonal widescreen TFT active-matrix LCD display at 1440x900 native resolution; Maximum Brightness 175 Cd/m^2
- Brightness Control [keyboard: Fn+F6 (decrease brightness) or Fn+F7 (increase brightness)]

Choice of Graphics[6]

- Integrated Intel Graphics Media Accelerator 900; up to 128MB of graphics memory is taken from the main memory via UMA (Unified Memory Architecture)[7]
- ATI MOBILITY™ RADEON® X600 with 64MB DDR SDRAM
- nVIDIA® GeForce™ Go 6600 with dedicated 128MB DDR SDRAM

Input Devices

- Keyboard
  - 85 key US keyboard, 2.7mm key stroke, 6mm keyboard height, 19.05mm key pitch
  - Hot Key Functions (FN); please see electronic User's Guide for more information
  - Windows Key Function
  - Application Key Function
- Mouse:
  - TouchPad™ pointing device
  - TouchPad Enable/Disable (Fn+F9 or through software)
- Others:
  - Internet Browser Launch Function

Expandability

- 2 main memory slots. Both slots may be occupied.
- 1 PC Card slot; supports 1 Type II, PCMCIA R2.01, PC Card16, CardBus
- 1 ExpressCard/34 or Express Card/54 compatible ExpressCard™ slot
- Bridge Media Adapter slot (Secure Digital®, Memory Stick™, Memory Stick PRO™, SmartMedia™, Multi Media Card, xD Picture Card [shared slots])
- 240-pin Advanced Port Replicator III docking connector

Communications

- Integrated V.92 modem[8]
  Marvell® PC Express Network Connection –10Base-T/100Base-TX/1000Base-TX Ethernet
- Choice of Wireless-LAN:[9]
  - Integrated Wireless-LAN Antenna only
  - Integrated Intel Pro/Wireless 2200BG (802.11b/g) Network Connection
  - Integrated Intel Pro/Wireless 2915ABG (802.11a/b/g) Network Connection
  - Atheros® 802.11b/g wireless-LAN supporting Atheros SuperG™ technology[10].

Ports

- RGB (monitor) port
- TV-out (S-Video)
- i.LINK™ IEEE-1394
- 3 Universal Serial Bus (USB) ports (v2.0)
- Microphone jack
- Headphone jack
- RJ-45 LAN port
- RJ-11 modem port
- Parallel port
- 240-pin docking connector for Advanced Replicator III

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Physical Description

- Dimensions (WxDxH Front/H Rear): 14.17" (360.0mm) x 10.57" (268.5mm) x 1.14" (29.0mm)[F]/1.43" (36.2mm)[R] without feet
- Weight[11]: Starting at 6.2 lbs. depending upon configuration
- Indicators: Power, DC-IN, Primary HDD/ODD Access, Caps Lock (keyboard), Arrow Mode (keyboard), Numeric Mode (keyboard)
- Case material: PC+ABS Plastic; LCD Cover painted Premium Silver; Premium Black for LCD Mask, Cover, and Base.

Sound

- Analog Devices AD1981B Software Sound
- 16-bit stereo; Built-in stereo speakers, Built-in microphone
- Direct3D Sound; DirectSound, Direct Music, MIDI (playback) Support
- Sound Volume Control Dial

Power Supply

- 75W (15V x 5A) Auto sensing external AC Adapter, 100-240V/50-60Hz frequency (Universal) input.
- Dimensions (WxDxH): 5.35" (136 mm) x 2.09" (53 mm) x 1.18" (30 mm)
- Weight: starting at 0.88 lbs (400 g)

Battery[12]

Choice of:

- 6-cell (4300mAh) rechargeable, removable Lithium Ion (Li-Ion) battery pack
  - Weight: starting at 0.75 lb. (340 g)
  - Dimensions (WxDxH): 8.13" (206.6mm) x 0.87" (22.0mm) x 2.12" (53.8mm)
  - Battery Life (6-cell battery): Up to 3 hours 15 minutes (measured by MobileMark™)[13]
  - Recharge Time (6-cell battery): Main Battery – up to 4.0 hours (system off) or up to 12 hours (system on)
- 12-cell (8600mAh) rechargeable, removable Lithium Ion (Li-Ion) battery pack
  - Weight: starting at 1.37 lb. (620 g)
  - Dimensions (WxDxH): 8.13" (206.6mm) x 1.05" (26.7mm) x 3.27" (83.0mm)

Security

- Slot for cable lock
- Items protected by a screw: Memory (1 screw), Main HDD (6 screws), Built-in Modem/LAN (3 screws)
- Passwords: User Power-on password, Supervisor Password, HDD Password
- Other locks: Keyboard Lock (Fn+F1 Hotkey), Screen Blank (Hotkey), Screen Saver (by Software)

BIOS

- ACPI v1.0b, PNP v1.0a, VESA v2.0, DPMS, DDC, SM BIOS v2.34, PC BIOS v2.2 support

Software[14]

Toshiba Software and Utilities

- Toshiba CD/DVD Drive Acoustic Silencer
- Toshiba Common Modules
- Toshiba ConfigFree™
- Toshiba Console
- Toshiba Controls
- Toshiba Custom Utilities
- Toshiba Display Device Change Utility
- Toshiba Express Media Player
- Toshiba Hotkey Utility for Display Devices
- Toshiba MyConnect™ - 45 day free trial offer[15]
- Toshiba PC Diagnostic Tool
- Toshiba Picture Enhancement Utility
- Toshiba Power Saver
- Toshiba Speech System
- Toshiba Tecra A4 Electronic User's Guide
- Toshiba Touch and Launch
- Toshiba Touch Pad On/Off Utility
- Toshiba Utilities
- Toshiba Wireless Hotkey
- Toshiba Zooming Utility

Third-party Software[16]

- Microsoft Office® OneNote™ 2003
- Microsoft Works™ Version 8.0
- Sun® Java™ 2 Runtime Environment
- Adobe® Acrobat® Reader version 5.0
- Software Decoder: InterVideo® (WinDVD™ 5)
- InterVideo WinDVD Creator 2 Platinum
- Sonic™ PrimeTime
- Sonic Solutions RecordNow!™ Basic for Toshiba
- Sonic Solutions Drive Letter Access (DLA)
- Microsoft Windows Media Player version 10
- Napster® Digital Music Service – 30 days trial
- Computer Associates Easy FireWall – 30 days trial
- Norton® AntiVirus™ 2004 – w/3-Month Subscription
- AOL® version 9.0 – 3-Month offer
  AOL OFFER DETAILS: Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.
- AT&T® Worldnet® Service – 1 Month offer
  Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only,
- Intuit® Quicken® New User Edition 2004
- QuickTime™ Player
- RealOne™ Player 8 Basic

Environmental Specifications

	Operating	Non-Operating
Temperature	5° to 35°C (41° to 95°F)	-20° to 65°C (-4° to 149°F)
Thermal Gradient	15°C per hour maximum	20°C per hour maximum
Relative Humidity	20% to 80%	10% to 95%
Altitude (relative to sea level)	-60 to 3000 meters	-60 to 10,000 meters
Shock	7G; 1.5G when ODD device installed	60G
Vibration	0.2G; 0.25G when ODD device installed	1.0G

Limited Warranty

- 1-year standard, limited warranty

Toshiba offers many different standard limited warranty extensions and enhanced service plans such as SystemGuard®, At-Home Repair, and Service Express to provide additional support to your notebook PC. For a full description and complete list of programs and program terms and conditions, please visit www.pcsupport.toshiba.com

Recommended Services

Limited Warranty Extensions

Extends the standard limited warranty for up to 3 years from the original notebook purchase date. See Toshiba Service Plan Agreement for program terms and conditions at www.pcsupport.toshiba.com.

Part Number	Description
SWC-PEQQ2V	2nd Year Limited Warranty Extension
SWP-PEQQ3V	2nd/3rd Year Limited Warranty Extension

SystemGuard[17] Advanced Protection Coverage w/ ServiceExpress

Provides advanced protection from damage caused by accidental drops, spills and even screen breakage. Select your express repair service with either Depot Express or Carry-In Express and go to the front of the line. Limited Warranty Extension included except with 1 Year plan.

Part Number	Description
SWC-PSGQ1V	1st Year
SWC-PEGQ2V	1st/2nd Year + Limited Warranty Extension
SWP-PEGQ3V	1st/2nd/3rd Year + Limited Warranty Extension

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SystemGuard Advanced Protection Coverage + Business On-Site Repair

Combines SystemGuard and Business On-Site Repair coverage. Limited Warranty Extension included except with 1 Year plan. [1]SystemGuard coverage must be purchased within the first 30 days of purchase. See Toshiba Service Plan Agreement for program terms and conditions at www.pcsupport.toshiba.com.

Part Number	Description
SWC-PSGN1V	1st Year
SWC-PEGN2V	1st/2nd Year + Limited Warranty Extension
SWP-PEGN3V	1st/2nd/3rd Year + Limited Warranty Extension

ServiceExpress

Select your express repair service with either Depot Express or Carry-In Express. Depot Express: Toshiba will make reasonable efforts to complete repair of your notebook and return the notebook to you by the next business day via overnight shipment (excluding weekends and holidays). Instructions and box will be provided to you for packing and shipping the notebook to Toshiba. Carry-In Express: A Premier ASP will make reasonable efforts to complete repair of your notebook by the next business day (excluding weekends and holidays). Limited Warranty Extension included except with 1 Year plan. See Toshiba Service Plan Agreement for program terms and conditions at www.pcsupport.toshiba.com.

Part Number	Description
SWC-PSQP1V	1st Year
SWC-PEQP2V	1st/2nd Year + Limited Warranty Extension
SWP-PEQP3V	1st/2nd/3rd Year + Limited Warranty Extension

Business On-Site Repair

Toshiba will make reasonable efforts to provide on-site service at customer's business location by the next business day (excluding weekends and holidays) to perform the necessary hardware repairs. Limited Warranty Extension included except with 1 Year plan. See Toshiba Service Plan Agreement for program terms and conditions at www.pcsupport.toshiba.com.

Part Number	Description
SWC-PSQN1V	1st Year
SWC-PEQN2V	1st/2nd Year + Limited Warranty Extension
SWP-PEQN3V	1st/2nd/3rd Year + Limited Warranty Extension

Accessories

For additional and most updated accessories, please visit www.accessories.toshiba.com

Memory

Part Number	Description
KTT3311A/256	Kingston PC2100/PC2700, 256MB DDR
KTT3311A/512	Kingston PC2100/PC2700, 512MB DDR
KTT3311A/1G	Kingston PC2100/PC2700, 1GB DDR

Power

Part Number	Description
PA3283U-2ACA	Toshiba 75W Global AC Adapter
PA3399U-1BRS	Toshiba Primary Li Ion Battery Pack (6 Cell)
PA3400U-1BRS	Toshiba Primary High Capacity Li Ion Battery Pack (12 Cell)

Security & Protection

Part Number	Description
PA1370U-1ETC	Toshiba Keyboard Protector (Satellite/Tecra/Qosmio)
NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock

Expansion

Part Number	Description
PA3314U-1PRP	Toshiba Advanced Port Replicator III w/75W AC Adapter

Storage and Backup

Part Number	Description
PA3109U-1FDD	Toshiba USB Floppy Disk Drive Kit

Wireless & Bluetooth

Part Number	Description
PA3363U-2MPC	Wireless LAN Card Kit, Mini-PCI (802.11g) (Intel) [Dealer Install Only]
PA3376U-1MPC	Wireless LAN Card Kit, Mini-PCI (802.11ag) (Intel) [Dealer Install Only]
PA3370U-1BTM	Toshiba Bluetooth SD Card V1.2
PA3405U-1BTM	Toshiba Bluetooth USB Adapter

Subject to Change

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Return Policy

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[1] Certain notebook chassis are designed to accommodate all possible configurations for an entire product series. Your select model may not have all the features and specifications corresponding to all of the icons or switches shown on the notebook chassis, unless you have selected all those features.
[2] CPU performance in your computer product may vary from specifications under the following conditions:

1. Use of certain external peripheral products
2. Use of battery power instead of AC power
3. Use of certain multimedia, computer generated graphics or video applications
4. Use of standard telephone lines or low speed network connections
5. Use of complex modeling software, such as high end computer aided design applications
6. Use of several applications or functionalities simultaneously
7. Use of computer in areas with low air pressure (high altitude greater than 1,000 meters or greater than 3,280 feet above sea level)
8. Use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please refer to your Resource Guide or visit the Toshiba website at www.pcsupport.toshiba.com for details.)

CPU performance may also vary from specifications due to design configuration.
Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.
[3] The graphics system in your computer may use part of the main system memory for graphics performance and therefore reduce the amount of system memory available for other computing activities. The amount of system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors.
[4] One (1) Gigabyte (GB) means 1000 x 1000 x 1000 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1024 x 1024 x 1024 = 1,073,741,824 bytes, and therefore may show less storage capacity. Available storage capacity will also be less if the product includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.
[5] Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology. Over a period of time, and depending on the usage of the computer, the brightness of the LCD Screen will deteriorate. This is an intrinsic characteristic of LCD technology.
[6] The revolutionary new nVIDIA® GeForce™ Go 6600 GPU and ATI® MOBILITY™ RADEON™ X600 GPU utilize the additional bandwidth of PCI Express to reach higher levels of graphics performance than traditional graphics memory solutions. Both the nVIDIA GeForce Go 6600 GPU and the ATI RADEON X600 GPU share the capacity and bandwidth of dedicated graphics memory and dynamically available system memory for turbocharged performance and larger total graphics memory. The VRAM capacity indicated in the NVIDIA display is the sum of the discreet graphics memory and the maximum possible graphics memory allocated dynamically by the system memory. The system memory capacity indicated in the Microsoft Windows PROPERTIES display is the maximum possible system memory capacity without adjustment for any system memory which may be dynamically allocated to the graphics system depending on demand.
[7] Graphics processor unit ("GPU") performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.
[8] Due to FCC limitations, speeds of 53 kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions.
[9] Wireless connectivity is subject to availability of access points. You might have to purchase additional software, hardware and/or services or pay for phone charges or air time to achieve the functionality as advertised. The transmission speed over the wireless LAN and the distance over which wireless LAN can reach may vary depending on surrounding electromagnetic environment, obstacles, access point design and configuration, and client design and software/hardware configurations. The actual transmission speed will be lower than the theoretical maximum speed.
[10] To use the Atheros SuperAG™ or SuperG™ function, your client and access point must support the corresponding feature. Performance of these functions may vary depending on the format of data transmitted.
[11] Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.
[12] Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba web site at http://www.accessories.toshiba.com.
[13] MobileMark™ is a registered trademark of Business Applications Performance Corporation.
[14] Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.
[15] MYCONNECT OFFER DETAILS: 1 Valid in the US only! You must cancel your Access Plan before the end of the trial period to avoid being charged the $39.95 monthly Access Service fee for the six month plan commitment period. Monthly automatic renewal feature after end of commitment period. Available to new members in the U.S., age 18 or older, and a major credit card for billing is required. Offer is for unlimited dial-up, wired broadband, or Wi-Fi remote access connection time in the 50 United States and the District of Columbia within the MyConnect service area for 30 day continuous service periods. Use of optional 800 telephone number dial-up usage will incur additional fees even during the trial period. Other terms and conditions apply. Offer expires June 30, 2005. Information, prices, and availability subject to change without notice.
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[17] SystemGuard coverage must be purchased within the first 30 days of purchase. See Toshiba Service Plan Agreement for program terms and conditions at www.pcsupport.toshiba.com.

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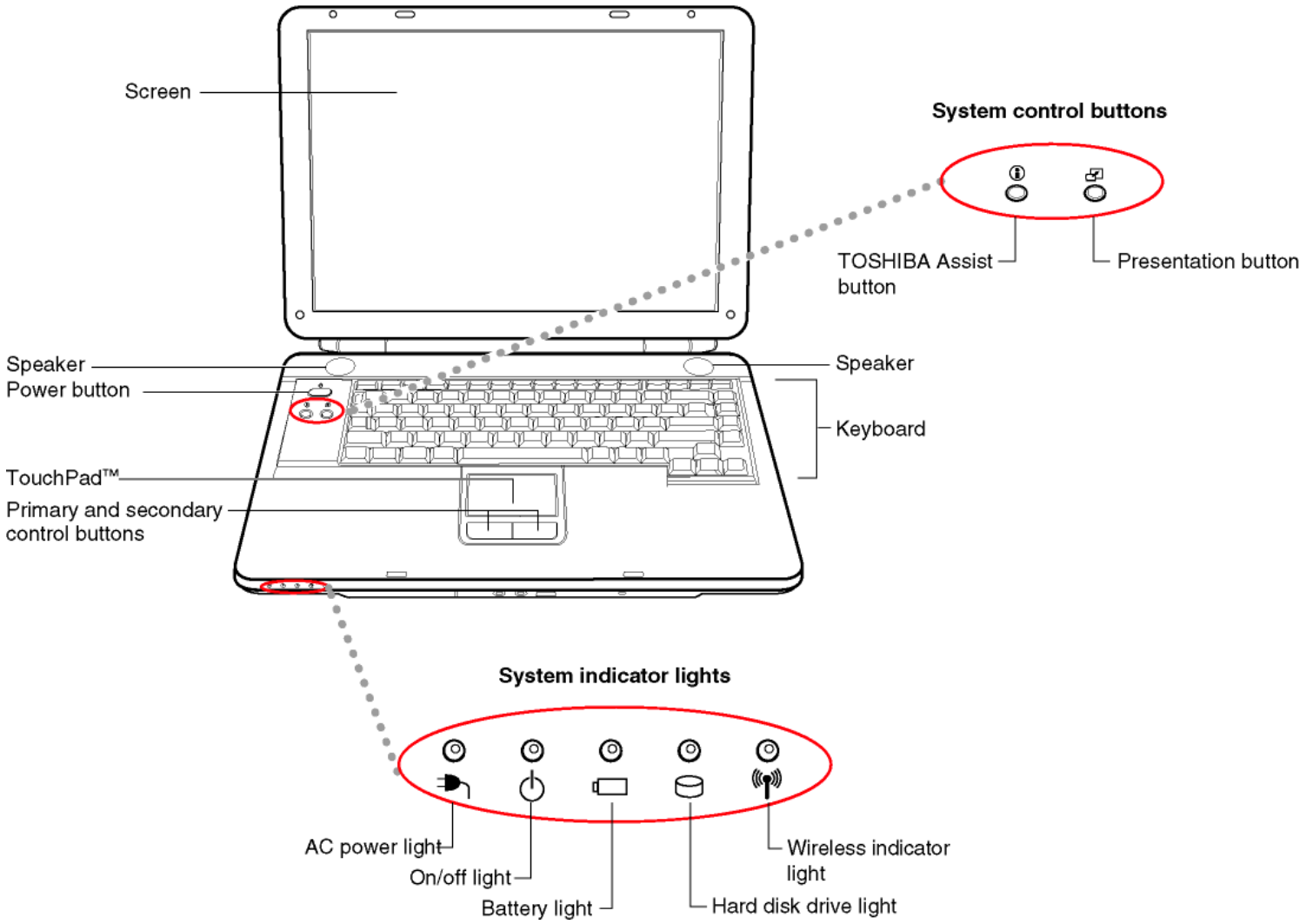
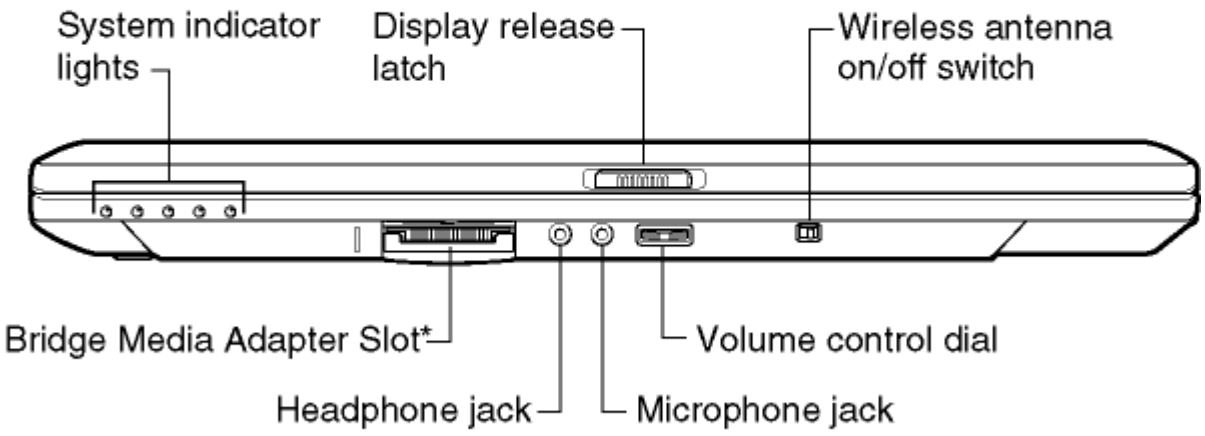
Front with display open

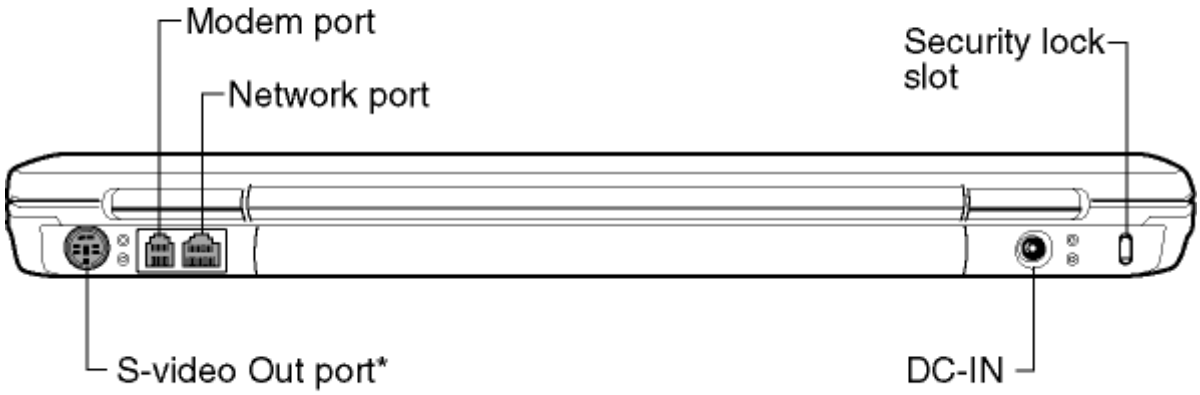


Front with display closed



*Available on certain models.

Back



*Available on certain models.

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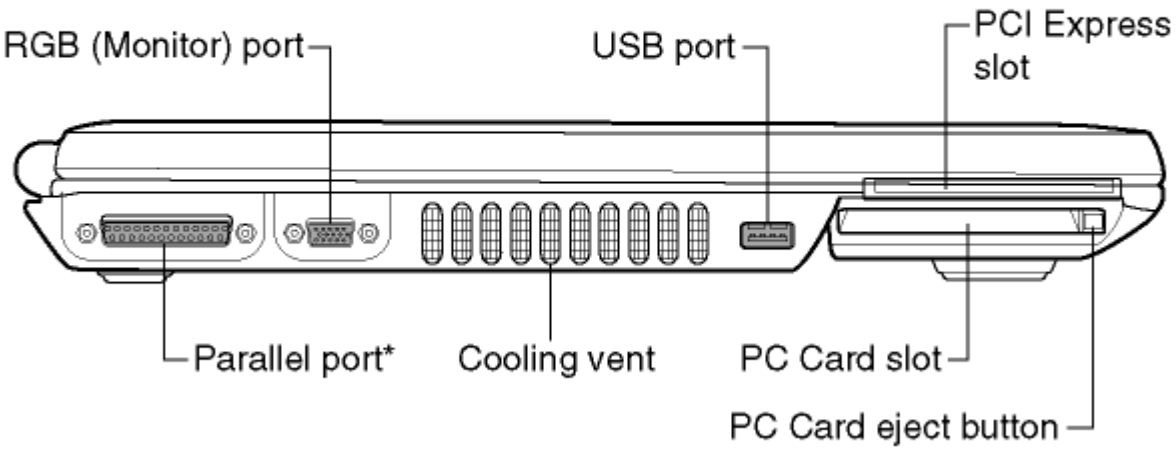
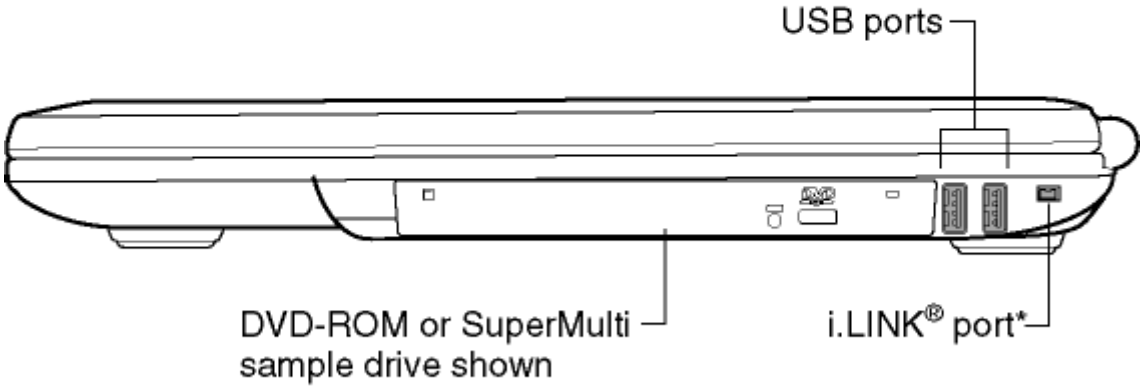


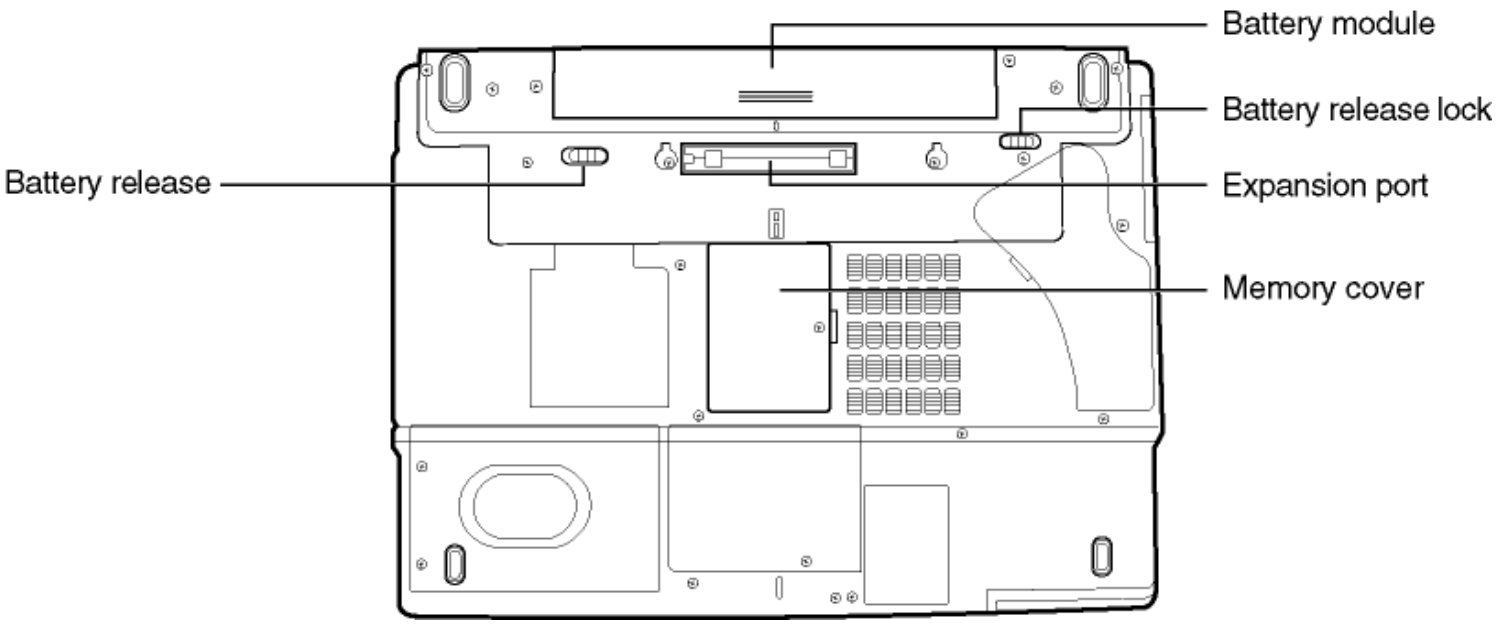
*Available on certain models.

Right side



*Available on certain models.

Underside


Battery module
Battery release lock
Battery release
Expansion port
Memory cover